

Math 1 Course Syllabus ✨ Animas High School ✨ Lauren Lucky ✨ 2016-2017

Contact Information

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Office Hours: Wednesdays 3:15 - 4:00

Course Description and Objectives

Math 1 is the foundation for high school mathematics courses and is the bridge from the concrete to the abstract study of mathematics. The primary objective of Math 1 is for you to develop a strong foundation in number sense, understanding functions and equations, develop problem solving skills and communicate mathematical reasoning. In addition, students will explore units in linear programming, statistics and personal finance. Equally important, you will develop confidence in mathematical skills and communication.

Topics Covered

- ❖ Solving and Graphing Functions
- ❖ Solving and Graphing Inequalities
- ❖ Systems of Equations and Inequalities
- ❖ Linear Programming and Profit Lines
- ❖ Exponents and Exponential Functions
- ❖ Probability and Expected Value
- ❖ Data Collection and Analysis
- ❖ Spreadsheet creation and basic programming
- ❖ Interest and Credit Cards

Grading

Grades are calculated on a point system. Students will be graded on:

Daily Classwork - Mathematics is a subject that is learned by doing rather than watching therefore classwork is extremely important in comprehending the material. Classwork will be collected and graded regularly.

Quizzes - Quizzes are a great way for me to check for understanding as we move through the curriculum. Quizzes will be given weekly in a variety of forms.

Problems of the Week - Pow's are large open ended problems that require multiple steps and problem solving skills to complete. You will complete a POW write up every 2-3 weeks.

Projects and/or Unit Tests - Depending on the unit, a comprehensive test or project will be given to demonstrate understanding of material covered.

Portfolios - You will be given the opportunity to create a portfolio of work to be turned in each quarter. This is a unique opportunity to show off your problem solving skills, creativity, mistakes that you learned from and general growth. Each portfolio may have a different focus and will include a reflection of the work presented.

Attendance/Participation:

See the Student Handbook (p. 9-10) for attendance, absence, and tardy policies. Arrive to class early or on time. You will be expected to present and contribute to classroom discussions and activities on a frequent and informal basis.

If You Are Absent:

If you are absent from school, it is your responsibility as a student to check my DP for information about missed work and contact me for clarification of concepts, work missed and of your due date.

Late Work:

Late work will be accepted on a case by case basis depending upon the circumstances and assignment. Please see me for details of extensions and points possible.

Expectations:

Respect yourself and others, and respect the learning environment. Together, we create the learning environment that is unique and conducive to our class. Mutual respect and support for each other is imperative in creating a safe space for us all to learn and share. Take care of all classroom supplies so that they are ready for the next class to use.

Be prepared with the necessary supplies, every day.

No cell phones, headphones or gum.

Make a commitment to doing beautiful work and challenging yourself throughout the year.